II. CLAIM AMENDMENTS

1. (Currently Amended) A method for transferring information over a data connection according to a protocol stack where certain first protocol layers and certain second protocol layers exist, comprising the steps of

creating a protocol identifier,

determining a value for said protocol identifier in accordance with the first protocol layers in said protocol stack and

~~delivering~~signaling said protocol identifier to the second protocol layers in said protocol stack.

2. (Original) The method of claim 1, comprising the steps of

establishing a data connection between a first communications apparatus and second communications apparatus,

determining a value for said protocol identifier in said first communications apparatus and

delivering said protocol identifier from the first communications apparatus to the second communications apparatus.

3. (Original) The method of claim 1, comprising the steps of

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establishing a data connection between a first communications apparatus and a second communications apparatus via a third communications apparatus,

determining a value for said protocol identifier in said first communications apparatus and

delivering said protocol identifier from the first communications apparatus to the third communications apparatus.

4.   (Original) The method of claim 1, comprising the steps of

establishing a data connection between a first communications apparatus and a second communications apparatus via a third communications apparatus,

determining a value for said protocol identifier in said third communications apparatus and

delivering said protocol identifier from the third communications apparatus to the first communications apparatus.

5.   (Original) The method of claim 1, comprising the steps of

establishing a data connection between a first communications apparatus and a second communications apparatus via a third communications apparatus and a fourth communications apparatus,

determining a value for said protocol identifier in said third
communications apparatus and

delivering said protocol identifier from the third
communications apparatus to the fourth communications
apparatus.

6. (Original) The method of claim 1, comprising the step of
delivering said protocol identifier over said data connection.

7. (Original) The method of claim 1, comprising the step of
delivering said protocol identifier over a control connection
which is different than said data connection.

8. (Original) The method of claim 1, comprising the step of
delivering said protocol identifier in conjunction with the
opening of said data connection.

9. (Original) The method of claim 1, comprising the step of
delivering said protocol identifier at a certain stage after the
opening of said data connection.

10. (Original) The method of claim 1, comprising the step of
repeatedly delivering said protocol identifier at certain
intervals.

11. (Original) The method of claim 1, comprising the steps of

determining and delivering said protocol identifier more than
once during said data connection,

determining said protocol identifier at each time on the basis
of a certain part of the first protocol layers, and

choosing said part of the first protocol layers such that the
chosen part is not identical at all instances of
determination.

12. (Original) The method of claim 1, comprising the steps of

adapting said protocol identifier so as to comprise elements
and

determining each element of said protocol identifier on the
basis of a certain part of the first protocol layers.

13. (Original) The method of claim 12, comprising the steps of

adapting said protocol identifier so as to comprise a first
element and a second element, and

determining said second element so that it defines in more
detail a certain part of the first protocol layers generally
defined by said first element.

14. (Original) The method of claim 1, comprising the step of
placing said protocol identifier into a protocol frame of a

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certain protocol layer together with certain data to be transferred.

15. (Original) The method of claim 14, comprising the step of placing said protocol identifier into a field within a protocol frame which field is reserved for the protocol identifier.

16. (Original) The method of claim 15, comprising the step of placing said protocol identifier into a field within a protocol frame of a certain logical link control protocol.

17. (Original) The method of claim 1, comprising the step of determining a value for said protocol identifier in accordance with the contents of the data transferred over said data connection.

18. (Currently Amended) A communications apparatus arranged to transfer information to another communications apparatus in accordance with a protocol stack comprising certain first protocol layers and certain second protocol layers, comprising

means for creating a protocol identifier,

means for determining the value of said protocol identifier in accordance with the first protocol layers of said protocol stack, and

means for ~~delivering~~signaling said protocol identifier to the second protocol layers of said protocol stack in either said

communications apparatus itself or in said other
communications apparatus.

19.   (Currently Amended) A communications apparatus arranged to
transfer information from another communications apparatus in
accordance with a protocol stack comprising first and second
protocol layers, comprising

   means for ~~receiving at~~ signaling to said second protocol layers
      a protocol identifier the value of which is determined in
      accordance with the first protocol layers of said protocol
      stack.

20.   (Currently Amended) A data communication system comprising

   a first communications apparatus and second communications
      apparatus

   means for transferring information between said first and
      second communications apparatuses in accordance with a
      protocol stack comprising certain first protocol layers and
      certain second protocol layers,

   at least in the first communications apparatus means for
      creating a protocol identifier,

   at least in the first communications apparatus means for
      determining the value of said protocol identifier in
      accordance with the first protocol layers of said protocol
      stack, and

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at .least in the first communications apparatus means for ~~delivering~~<u>signaling</u> said protocol identifier to the second protocol layers of said protocol stack.

21. (Original) The data communication system of claim 20, wherein

the first communications apparatus is a wireless terminal in a radio access network,

said means for transferring information is arranged to deliver said protocol identifier to the second communications apparatus, and

the second communications apparatus is a network element in said radio access network.

22. (Original) The data communication system of claim 21, wherein said means for transferring information is arranged to deliver said protocol identifier across a radio interface of a mobile network in a call control connection.

23. (Original) The data communication system of claim 20, wherein

the first communications apparatus is a network element in a radio access network,

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said means for transferring information is arranged to deliver
said protocol identifier to the second communications
apparatus, and

the second communications apparatus is a wireless terminal in
said radio access network.

24. (Original) The data communication system of claim 23,
wherein said means for transferring information is arranged to
deliver said protocol identifier across a radio interface of a
mobile network in a call control connection.